

AMENDMENTS TO THE CLAIMS

1-6. (Canceled)

7. (Previously Presented) A cooling construction of a transition piece of a gas turbine comprising:

a first protrusion and a second protrusion that are mounted on said transition piece orthogonally to a main stream direction of said transition piece on a gas turbine inside diameter side of said transition piece and adjacent to an outlet portion of said transition piece;

an impingement-cooling plate that is fixed at one end in a cantilever state to said first protrusion, and is contacted at a tip of the other end of said impingement-cooling plate with said second protrusion so as to move back and forth along said second protrusion in response to thermal stress generated therearound;

an elastic plate that is fixed at one end to said second protrusion, and is contacted at the other end of said elastic plate with said other end of said impingement-cooling plate; and

a pin that is provided on said transition piece for securing a predetermined gap between said transition piece and said impingement-cooling plate, wherein

said elastic plate seals a gap between said transition piece and said impingement-cooling plate.

8. (Previously Presented) The cooling construction of a transition piece of a gas turbine according to claim 7, further comprising:

a face of said transition piece, that confronts said impingement-cooling plate; and

a plurality of cooling holes that is provided only on a central portion of said transition piece in a row extending across said face perpendicular to the direction of combustion gas flow through said transition piece.

wherein a central portion only of said transition piece comprises a plurality of rows of said cooling holes.

9. (Previously Presented) The cooling construction of a transition piece of a gas turbine according to claim 7 wherein said gas turbine is provided with a plurality of said transition pieces, the cooling construction further comprising transition piece seals that are provided at said transition pieces respectively, wherein

end portions of said transition piece seals have protrusions mounted so as to overlap each other.

10. (Previously Presented) The cooling construction of a transition piece of a gas turbine according to claim 8 wherein said gas turbine is provided with a plurality of said transition pieces, the cooling construction further comprising transition piece seals that are provided at said transition pieces respectively, wherein

end portions of said transition piece seals have protrusions mounted so as to overlap each other.

11-12. (Canceled)

13. (Previously Presented) The cooling construction of a transition piece of a gas turbine according to claim 7, wherein said second protrusion is provided on a combustion gas upstream side of said first protrusion, and said second protrusion has a shape of a brim extending toward the gas turbine inside diameter side.

14. (Canceled)

15. (Previously Presented) The cooling construction of a transition piece of a gas turbine according to claim 7, wherein said impingement-cooling plate is biased at said other end thereof in a direction orthogonal to the main stream direction of said transition piece by an elastic force of said elastic plate so as to keep said other end contacted with said pin.

16-17. (Canceled)